

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092260 A1

(51) International Patent Classification⁷: **A61F 9/007**,
A61M 5/00

(21) International Application Number:
PCT/NZ2005/000054

(22) International Filing Date: 24 March 2005 (24.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
531977 26 March 2004 (26.03.2004) NZ

(71) Applicant (for all designated States except US):
MOLTENO OPHTHALMIC LTD [NZ/NZ]; 44 York
Place, Dunedin (NZ).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MOLTENO, An-
thony Christopher Bernard** [NZ/NZ]; 236 Signal Hill
Road, Opoho, Dunedin (NZ).

(74) Agent: **BALDWINS**; Baldwins Centre, 342 Lambton
Quay, Wellington, 6001 (NZ).

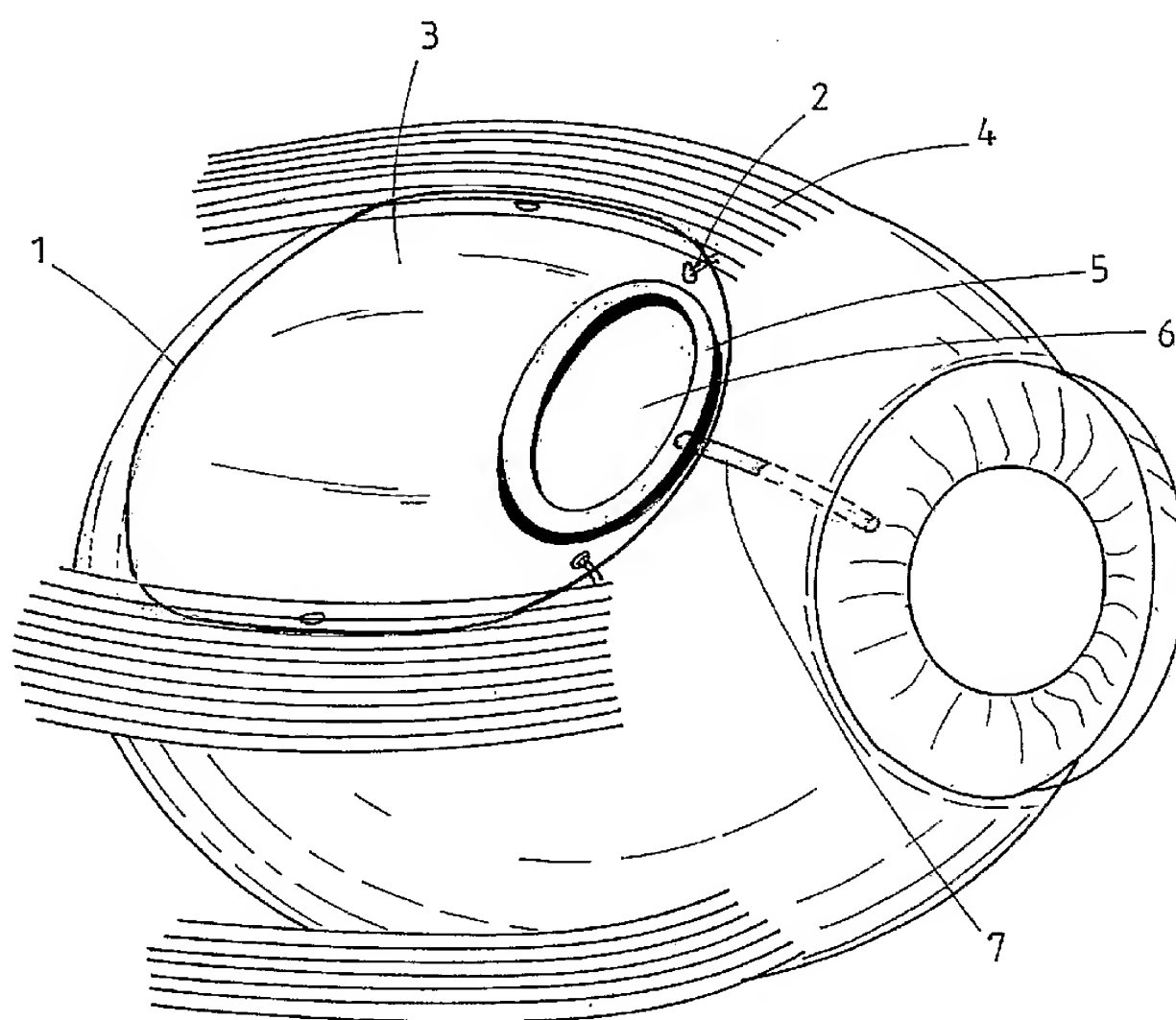
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: OPHTHALMIC IMPLANT FOR TREATING GLAUCOMA



(57) Abstract: An ophthalmic implant (1) for treating or alleviating the symptoms of glaucoma having a plate (3) shaped to fit the surface of an eye. The plate has an inner ridge (5) that defines a primary drainage region (6). Intraocular pressure is reduced by the transfer of aqueous fluid from the interior of the eyeball through a tube (7) to the primary drainage region. To minimise post-operative hypotony, a secondary drainage region is provided on the plate outside the primary drainage region and defined either by the outer edge of the plate or an outer ridge having a lower profile than the inner ridge. When the pressure of fluid in the primary drainage region builds, fluid spills into the secondary drainage region. Fluid that is transferred to the plate is absorbed into surrounding tissues.

WO 2005/092260 A1